0145104 DBA Accession No.: 93-03156 PATENT Particular expressed sequence tag from human cDNA - corresponding to gene transcription product, and useful for gene tagging, chromosome mapping and tissue typing PATENT ASSIGNEE: U.S. Dept. Health-Human-Serv. 1993 PATENT NUMBER: W/O 9300353 /PATENT DATE: 930107 WPI ACCESSION NO.: 93-036325 (9304) PRIORITY APPLIC. NO.: US 837195 APPLIC. DATE: 920212 NATIONAL APPLIC. NO.: WO 92US5222 APPLIC. DATE: 920619 LANGUAGE: English 315 Enriched oligonucleotides of specified DNA ABSTRACT: sequence, which correspond to particular expressed sequence tags (ESTs), are claimed along with their complementary sequences and allelic variations. The following are also claimed: (a) a construct comprising a vector and an enriched oligonucleotide; (b) a panel of at least 100 oligonucleotides; (c) an antisense oligonucleotide capable of blocking expression of the gene product of any of the oligonucleotide sequences; and (d) a triple helix probe for blocking expression of the gene product of the enriched oligonucleotides. In a preferred embodiment, the oligonucleotides correspond to transcription products of human genes and are markers for human genes transcribed in vivo. The oligonucleotides are grouped according to metabolic and functioning and developmental control. The ESTS may structural facilitate the tagging of most expressed human genes within a few yr at reduced cost compared with complete genomic sequencing. The ESTs could provide new genetic markers, nucleotide reagents and DNA-based diagnostic and therapeutic agents. The agents may be used for e.g. mapping gene locations or tissue typing. (199pp) DESCRIPTORS: human expressed sequence tag DNA sequence, antisense oligonucleotide, triple helix probe, appl. gene tagging, chromosome mapping, tissue typing mammal

SECTION: GENETIC ENGINEERING AND FERMENTATION-Nucleic Acid Technology (A1)

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ID Q39829 standard; DNA; 390 BP.

AC Q39829; Standard; DNA; 390 BP.

AC Q39829; (first entry)

DE Expressed Sequence Tag human gence marker EST00165.

Expressed Sequence tag; human gence project; chromosome;

NN sublocalisesequence tag; human gence project; chromosome;

NN sublocalisesequence tag; pCR mapping; scomatic cell hybrids;

NN sublocalisesequence tag; tissue typing.

BY sublocalisesequence tag; tissue typing.

PD 07-ARS-1993.

PP 19-JUN-1992; US-2222.

PR 20-JUN-1992; US-216831.

PR 12-FEB-1992; US-937195.

AGRICULTURE SEPT HEALTH & HUMAN SERVICE.

Adams MD, Venter JC;

NN PI: 93-036125/04.

PP Particular expressed sequence tags from human CDNA - corresponds

PP transcription prode. of gence, useful for tagging gence,

PP transcription prode. of gence, useful for tagging gence,

PP transcription prode. of gence, useful for tagging gence.

CT has sequence 133; 1999; English.

CC this sequence 133; 1999; English.

CC this sequence tagged sites transcribed in vivo. Unlike the random genomic

CD NA sequence tagged sites transcribed in vivo. Unlike the random genomic

CD NA sequence tagged sites transcribed in vivo. Unlike the random genomic

CD NA sequence tagged sites transcribed in vivo. Unlike the random genomic

CD NA sequence tagged sites transcribed in vivo. Unlike the random genomic

CD NA sequence tagged sites transcribed in vivo. Unlike the random genomic

CD NA sequence 139; 1999; English.

CC from the ESTs; sublocalisation of an EST cab of most expressed human

CC from the ESTs; sublocalisation of an EST cab es achieved with panels of

CC fragments from specific chromosomes or pools of large genomic clones in

CC an analogous manner. This sequence represents EST00165.

Sequence 390 BP; 72 A; 113 C; 140 G; 62 T;

Cuery Match

Best Local Similarity 100.00; Pred. No. 2.85e-01;

Matches 18; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

DB 151 tcggacatchectegggsac 168

HILLIIIII | HILLIIII | HILLIIII | HILLIII | HILLI
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